

CLAIMS

1. A straight-oil finishing composition comprising
 - (A) 100 parts by weight of a polydimethylsiloxane oil or liquid paraffin having a viscosity of 3 to 70 mm²/s at 25°C; and
 - (B) 0.5 to 100 parts by weight of an organopolysiloxane resin, which contains silanol groups and silicon-bonded alkoxy groups and wherein 20 mole % or more of all siloxane units are siloxane units represented by formula C₃H₇SiO_{3/2}.
2. The straight-oil finishing composition of Claim 1, where in component (B) the amount of silanol groups is greater than the amount of the silicon-bonded alkoxy groups.
3. The straight-oil finishing composition according to Claims 1 or 2, where said alkoxy groups of component (B) are alkoxy groups having 3 to 8 carbon atoms.
4. The straight-oil finishing composition according to any of Claims from 1 to 3, where said component (A) is liquid paraffin.
5. The straight-oil finishing composition of Claim 1, where said component (B) contains both siloxane units represented by formulae C₃H₇SiO_{3/2} and C₃H₇(HO)_a(R'O)_bSiO_{(3-a-b)/2}, wherein 20-95 mole % of all siloxane units are siloxane units represented by formula C₃H₇SiO_{3/2} and 5-80 mole % of all siloxane units are siloxane units represented by formula C₃H₇(HO)_a(R'O)_bSiO_{(3-a-b)/2}, where each R' is an independently selected from alkyl group having 1 to 8 carbon atoms and alkyloxyalkylene group having 1 to 8 carbon atoms, 0 < a ≤ 2, 0 < b ≤ 2, 0 < (a+b) ≤ 2.
6. The straight-oil finishing composition of Claim 1, where said component (B) is represented by the following average constitutional formula:

$$(C_3H_7SiO_{3/2})_x [C_3H_7(HO)_a(R'O)_bSiO_{(3-a-b)/2}]_y \{R_cSiO_{(4-c)/2}\}_z,$$
 where each R' is an independently selected from alkyl group having 1 to 8 carbon atoms and alkyloxyalkylene group having 1 to 8 carbon atoms, each R is an independently selected from phenyl group, alkyl group having 1 to 10 carbon atoms, hydroxyl group, and alkoxy group,

$0 < a \leq 2$, $0 < b \leq 2$, $0 < (a+b) \leq 2$, c is between 0 and 3, $x > 0$, $y > 0$, $z \geq 0$, $(x+y+z)=1$, and $x/(x+y+z) \geq 0.2$.

7. A fiber yarn treated with the straight-oil finishing composition of any of claims from 1 to 6.